

WHAT IS CLAIMED IS:

1. A liquid crystal display device formed by filling liquid crystal between a pair of substrates and provided with a plurality of picture element regions defined by gate bus lines and drain bus lines, the liquid crystal display device comprising:

active elements respectively formed in the plurality of the picture element regions;

a first picture element electrode disposed in part of a first picture element region and in at least any one of part of a second picture element region and part of a third picture element region, where the first picture element region, the second picture element region, and the third picture element region are part of the plurality of picture element regions, the first picture element electrode being electrically connected to the active element in the first picture element region;

a second picture element electrode disposed in part of the second picture element region and in at least any one of part of the first picture element region and part of the third picture element region, the second picture element electrode being electrically connected to the active element in the second picture element region;

a third picture element electrode disposed in part of the third picture element region and in at least any one of part of the first picture element region and part of the second picture element region, the third picture

element electrode being electrically connected to the active element in the third picture element region;

a first color filter dispersedly arranged to correspond to the first picture element electrode;

5 a second color filter dispersedly arranged to correspond to the second picture element electrode; and

a third color filter dispersedly arranged to correspond to the third picture element electrode.

10 2. The liquid crystal display device according to claim 1,

wherein the first picture element electrodes, the second picture element electrodes, and the third picture element electrodes are sequentially arranged two or three times in a repeating manner in the pixel region composed of plurality of picture element regions.

15 3. The liquid crystal display device according to claim 1,

wherein the first picture element electrode in the first picture element region is electrically connected to at least any one of the first picture element electrode in the second picture element region and the first picture element electrode in the third picture element region through a first interconnection formed on a different layer,

20 the second picture element electrode in the second picture element region is electrically connected to at least any one of the second picture element electrode in

the first picture element region and the second picture element electrode in the third picture element region through a second interconnection formed on a different layer, and

5 the third picture element electrode in the third picture element region is electrically connected to at least any one of the third picture element electrode in the first picture element region and the third picture element electrode in the second picture element region
10 through a third interconnection formed on a different layer.

4. The liquid crystal display device according to claim 3,

15 wherein the first interconnection, the second interconnection, and the third interconnection are formed on the same layer as the gate bus lines with provision of intervals, and severally extend in the same direction as the gate bus lines.

20 5. The liquid crystal display device according to claim 3,

 wherein the first picture element electrode is separated and formed severally in the first and the second picture element regions,

25 the second picture element electrode is separated and formed severally in the second and the third picture element regions, and

the third picture element electrode is separated and formed severally in the first and the third picture element regions.

5 6. The liquid crystal display device according to claim 3,

 wherein the first picture element electrode, the second picture element electrode, and the third picture element electrode are separated and disposed severally in the first picture element region, the second picture element region, and the third picture element region

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 7. The liquid crystal display device according to claims 1,

 wherein each of the first picture element electrode, the second picture element electrode, and the third picture element electrode has a rectangular planar shape.

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 8. The liquid crystal display device according to claims 1,

 wherein the first picture element electrode in the first picture element region and at least any one of the first picture element electrode in the second picture element region and the first picture element electrode in the third picture element region are integrated into a first conductive pattern,

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 the second picture element electrode in the second picture element region and at least any one of the second picture element electrode in the first picture element region and the second picture element electrode in the

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third picture element region are integrated into a second conductive pattern, and

the third picture element electrode in the third picture element region and at least any one of the third picture element electrode in the first picture element
5 region and the third picture element electrode in the second picture element region are integrated into a third conductive pattern.

9. The liquid crystal display device according to
10 claim 8,

wherein the first conductive pattern has a shape starting from part of the first picture element region to reach part of the second picture element region,

the second conductive pattern has a shape starting
15 from part of the second picture element region to reach part of the third picture element region, and

the third conductive pattern has a shape starting from part of the third picture element region to reach part of the first picture element region.

20 10. The liquid crystal display device according to claim 8,

wherein the first conductive pattern, the second conductive pattern, and the third conductive pattern are respectively disposed in the first, the second, and the
25 third picture element regions in a mutually detouring manner.

11. The liquid crystal display device according to claims 1,

wherein each of the first color filter, the second color filter, and the third color filter has a rectangular planar shape in the first, the second, and the third picture element regions, respectively.

12. The liquid crystal display device according to claims 1,

wherein the first color filters dispersedly arranged in the pixel region are integrated together along at least any one of the gate bus line and the drain bus line,

the second color filters dispersedly arranged in the pixel region are integrated together along at least any one of the gate bus line and the drain bus line, and

the third color filters dispersedly arranged in the pixel region are integrated together along at least any one of the gate bus line and the drain bus line.

13. The liquid crystal display device according to claims 1,

wherein the first color filter, the second color filter, and the third color filter are filters having mutually different colors selected from red, green and blue.

14. The liquid crystal display device according to claim 1, further comprising:

a fourth picture element electrode for white display not facing a color filter, the fourth picture element

electrode being provided in at least any one of the first picture element region, the second picture element region, and the third picture element region.

5 15. The liquid crystal display device according to claim 1,

 wherein a domain control structure for achieving multi-domain is provided on at least any of the pair of substrates.

10 16. The liquid crystal display device according to claim 15,

 wherein the domain control structure is any one of a protrusion, a slit on any of the electrodes, and a ditch on any of the substrates.

15 17. The liquid crystal display device according to claim 1,

 wherein the liquid crystal adopts any one of an in-plane switching mode, a vertically aligned mode, a multi-domain vertical alignment mode, and an optically compensated birefringence mode.

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